

A WELL MARKED SPECIES OF SPARGANIUM.—Among the Bur-reeds of New England there is none which can be more readily recognized than a plant which grows in deep water of cold lakes. Its salient features are a branched inflorescence, sessile heads, short oblique stigma, and firm-coated oblong-fusiform fruit ending in a stoutish rather rigid falcate beak. Most of our other bur-reeds show a preference for shallower or warmer water, wet sandy shores, etc., and none of them shares the traits of or show any intergradation with this well marked species, which may be characterized as follows:

Sparganium fluctuans, n. comb. *S. simplex*, var. *fluitans*, [Engelm. in] Gray, Man. ed 5, 481 (1867), not *S. fluitans*, Fries. *S. androcladum*, var. *fluctuans*, Morong, Bull. Torr. Bot. Club, xv. 78 (1888); Britt. & Br. Ill. Fl. i. 64 (1896). Gracile vel mediocriter robustum, 2.6–15 dm. longum; basi erecta alte immersa, parte superiori foliorum natante; radice e fibris numerosis flavo-brunneis composita; foliis linearibus leviter carinatis 3–11 mm. latis, basalibus perlongis, caulibus gradatim brevioribus, bractealibus 3–12 cm. longis basi paululum saccato-ampliatis; inflorescentia ramosa, ramis saepissime 3 capita arcte sessilia 1–2 inferiora ♀ 2–4 superiora ♂ gerentibus; capitibus ♀ ad maturitatem 2 cm. diametro; stylo unico leviter curvato, stigmatibus obliquo ovale vel brevissime oblongo; fructu fusiforme vel media parte subcylindrico vel etiam subconstricto, apice in rostrum firmissimum falcato-gliatum persistentem attenuato, exocarpo firmo laevi vel obscure striatulo.—Cold lakes and ponds, Western Central Maine to southern Quebec, Connecticut, and Minnesota. Specimens examined:—QUEBEC: L. Memphremagog, 1 Aug. 1903, *Churchill*. MAINE: Cambridge, *Bunker*; Sweet's Pond, New Vineyard, 15 Aug. 1894, *Fernald*; Pease Pond, Wilton, 11 Aug. 1894, *Fernald*; Hartford, July, 1886, *Parlin*; E. Auburn, *Merrill*, no. 381. NEW HAMPSHIRE: Ponds at base of White Mts. *Oakes*. Vermont: Chittenden Pond, 18 Aug. 1895, *Eggleston*; L. Dunmore, 11 Aug. 1896, *Brainerd*; Wallingford, 4 Sep. 1898, *Eggleston*. CONNECTICUT: Nettleton's Pond, Norfolk, Sep. 1864, *Robbins*. L. SUPERIOR: *Beardslee*. MINNESOTA: Vermilion Lake, *Arthur, Bailey, & Holway*, No. B. 83.—B. L. ROBINSON, Gray Herbarium.